



Specification

Concerning Product:	
Article number	57487BDL
Trade name / designation / denomination	Fructose DC
CAS number	57-48-7
Other names / synonyms	•Fructose, pure; •fructose;
EC number	200-333-3
Customs tariff number / CN code / TARIC	17025000
Molecular weight [g / mol]	180,16
Formula	C6H12O6

Parameter	Specification	Unit
Organoleptic test		
Appearance	white crystalline powder	
Colour	in aqueous solution: ≤ 20	ICUMSA
Flavor and taste	Up to 1.8 times as sweet as sucrose	
Odour	practically odourless	
Physical parameter		
Loss on drying	≤ 0,1	%
pH value	in aqueous solution(10% w/v sol.): 4,5 – 7,0	
Specific Optical Rotation	(on anhydrous material): -91,0 – -93,5	°
Solubility	Fructose is more soluble in alcohol than sucrose (Solubility in 90% Ethanol approx. 10.0 g/100 g solution at 25 ° C)	
Solubility	Very soluble in water (approx. 80g/100ml at 20°C)	
Viscosity	at 20°C of 20% solution: ≤ 1,8	mPa s
Viscosity	at 20°C of 40% solution: ≤ 5,6	mPa s
Identity		
Melting Point (identity)	102 – 105	°C
Impurities		
Residue on ignition	≤ 0,01	%
Sulphates (SO ₄)	≤ 50	mg/kg
Impurity	5-Hydroxymethylfurfural (and related compounds) ≤ 0,32	
Elemental Impurities		
Arsenic (As)	≤ 0,5	mg/kg
Calcium (Ca)	≤ 5	mg/kg
Chlorides (Cl)	≤ 40	mg/kg
Lead (Pb)	≤ 0,1	mg/kg
Nutritional data		
Sugar	Glucose: ≤ 0,1	%
Particle size distribution		
Particles	Mean particle size range: Sieving 0,35 – 0,55	%

Regulatory information:

GMO statement: Genetic engineering:

For the above mentioned product there is no obligation of g.m.o. labelling as defined by the Regulations (EC) No **1829/2003** and **1830/2003** of the European Parliament and the Council of 22nd September 2003.

Supplemental information:

Shelf life: 2 years

Derivation: Food Grade

Storage conditions: Stored in the original sealed packages at temperatures below 25 ° C and a relative humidity of less than 60 %

Packing: 25 kg multi-wall, paper sack with LDPE liner. Pallet Size: 600 kg

Regional origin: Finland

Usage: The product is suitable for a vegetarian nutrition.

The product is suitable for a vegan nutrition.

The product is suitable for lactose intolerance diet.

The product is suitable for people with coeliac disease and sprue.

The product is in compliance with Jewish dietary laws.

The product is in compliance with Islamic dietary laws.

Chemische Werke Hommel GmbH & Co.KG

This document was generated electronically and is valid without signature.

Waltrop, 15. Nov. 2019

We only confirm that we took over the data from our supplier accordingly. Despite careful working, errors in the takeover are not totally excluded. Some or all parts of the document may be translated due to our best knowledge from the original to give a better understanding. If you have any questions about specific details, please call us directly. Unless otherwise marked, these data do not originate from us and have not been tested by us on the correctness. The above information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. We make no warranties, expressed or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assume no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of our products for its particular application. The foregoing information does not absolve the buyer of its own tests. Observing existing laws and regulations, is the responsibility of the buyer of our product. Nothing included in this information waives any of our General Terms and Conditions of Sale, which control unless it agrees other in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing our products, are available upon request and are provided in compliance with applicable law. The user should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact us.